SEQUENCE LISTING

<110> Zauderer, Maurice

Smith, Ernest S.

<120> Methods of Producing a Library and Methods of Selecting Polynucleotides of Interest

<130> 1821.0050004

<150> 60/192,586

<151> 2000-03-28

<150> 60/203,343

<151> 2000-05-10

<150> 60/263,226

<151> 2001-01-23

<150> 60/271,426

<151> 2001-02-27

<160> 65

<170> PatentIn version 3.0

<210> 1

<211> 69

<212> DNA

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<221> misc_feature

<223> Nucleotide Sequence of p7.5/tk

<400> 1
ggccaaaaat tgaaaaacta gatctattta ttgcacgcgg ccgccatggg cccggccgcc 60

aacggcgga 69

<210> 2

<211> 8

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<223> tk coding sequence

<400> 2

Met Gly Pro Ala Ala Asn Gly Gly
1 5

<210> 3

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<223> Nucleotide Sequence of pEL/tk

<400> 3
ggccaaaaat tgaaatttta ttttttttt ttggaatata aagcggccgc catgggcccg 60

gccgccaacg gcgga 75

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<211> 145

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<223> Nucleotide Sequence of p7.5/ATG0/tk

<400> 4
ggccaaaaat tgaaaaacta gatctattta ttgcacgcgg ccgccgtgga tcccccgggc 60

tgcaggaatt cgatatcaag cttatcgata ccgtcgacct cgaggggggg cctaactaac 120

taattttgtt tttgtgggcc cggcc 145

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<223> Nucleotide Sequence of p7.5/ATG1/tk

<400> 5
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ggctgcagga attcgatatc aagcttatcg ataccgtcga cctcgagggg gggcctaact 120

aactaatttt gtttttgtgg gcccggcc 148

<210> 6

<211> 149

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<223> Nucleotide Sequence of p7.5/ATG2/tk

<400> 6
ggccaaaaat tgaaaaacta gatctattta ttgcacgcgg ccgccatgag tggatccccc 60

gggctgcagg aattcgatat caagcttatc gataccgtcg acctcgaggg ggggcctaac 120

taactaattt tgtttttgtg ggcccggcc 149

<210> 7

<211> 150

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<213> Artificial Sequence

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<223> Nucleotide Sequence of p7.5/ATG3/tk

<400> 7
ggccaaaaat tgaaaaacta gatctattta ttgcacgcgg ccgccatgac gtggatcccc 60

cgggctgcag gaattcgata tcaagcttat cgataccgtc gacctcgagg gggggcctaa 120

ctaactaatt ttgtttttgt gggcccggcc 150

<210> 8

<211> 36

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<221> CDS

<222> (1)..(36)

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<221> misc_feature

<223> rpL3

<400> 8
gcc ttt ctg ggt tac aag gct ggc atg acc cac atc 36
Ala Phe Leu Gly Tyr Lys Ala Gly Met Thr His Ile
1 5 10

<210> 9

<211> 12

<212> PRT

<213> Artificial Sequence

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<221> misc_feature

<223> rpL3

<400> 9

Ala Phe Leu Gly Tyr Lys Ala Gly Met Thr His Ile
1 5 10

<210> 10

<211> 36

<212> DNA

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<223> H2.16

<400> 10
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Ala Phe Leu Gly Tyr Lys Ala Gly Met Ile His Ile
1 5 10

<210> 11

<211> 12

<212> PRT

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<223> H2.16

<400> 11

Ala Phe Leu Gly Tyr Lys Ala Gly Met Ile His Ile
1 5 10

<210> 12

<211> 9

<212> PRT

<213> Unknown

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<223> cyclin A destruction box of unknown origin

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<221> misc_feature

<223> Destruction box of cyclin A

<400> 12

Arg Thr Val Leu Gly Val Ile Gly Asp
1 5

<210> 13

<211> 9

<212> PRT

<213> Unknown

<220>

<223> cyclin B1 destruction box of unknown origin

<220>

<221> misc_feature

<223> Destruction box of cyclin B1

<400> 13

Arg Thr Ala Leu Gly Asp Ile Gly Asn
1 5

<210> 14

<211> 27

<212> PRT

<213> Rattus sp.

<220>

<221> misc_feature

<223> Destruction box of rat cyclin B

<400> 14

Tyr Met Thr Val Ser Ile Ile Asp Arg Phe Met Gln Asp Ser Cys Val
1 5 10 15

Pro Lys Lys Met Leu Gln Leu Val Gly Val Thr
20 25

<210> 15

<211> 28

<212> PRT

<213> Mus sp.

<220>

<221> misc_feature

<223> Destruction box of mouse cyclin B

<400> 15

Lys Phe Arg Leu Leu Gln Glu Thr Met Tyr Met Thr Val Ser Ile Ile
1 5 10 15

Asp Arg Phe Met Gln Asn Ser Cys Val Pro Lys Lys
20 25

<210> 16

<211> 27

<212> PRT

<213> Mus sp.

<220>

<221> misc_feature

<223> Destruction box of mouse cyclin 131

<400> 16

Arg Ala Ile Leu Ile Asp Trp Leu Ile Gln Val Gln Met Lys Phe Arg
1 5 10 15

Leu Leu Gln Glu Thr Met Tyr Met Thr Val Ser
20 25

<210> 17

<211> 26

<212> PRT

<213> Mus sp.

<220>

<221> misc_feature

<223> Destruction box of mouse cyclin 132

<400> 17

Asp Arg Phe Leu Gln Ala Gln Leu Val Cys Arg Lys Lys Leu Gln Trp
1 5 10 15

Gly Ile Thr Ala Leu Leu Leu Ala Ser Lys
20 25

<210> 18

<211> 18

<212> PRT

<213> Mus sp.

<220>

<221> misc_feature

<223> Destruction box of mouse cyclin A2

<400> 18

Met Ser Val Leu Arg Gly Lys Leu Gln Leu Val Gly Thr Ala Ala Met
1 5 10 15

Leu Leu

<210> 19

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> 7.5k gene promoter MM436

<400> 19
ggccaaaaat tgaaaaacta gatctattta ttgcacgcgg ccgccatggg ccc 53

<210> 20

<211> 53

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> 7.5k gene promoter MM437

<400> 20
ggccgggccc atggcggccg cgtgcaataa atagatctag tttttcaatt ttt 53

<210> 21

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Synthetic EL promoter MM438

<400> 21
ggccaaaaat tgaaatttta ttttttttt ttggaatata aagcggccgc catgggccc 59

<210> 22

<211> 59

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Synthetic EL promoter MM439

<400> 22
ggccgggccc atggcggccg ctttatattc caaaaaaaaa aaataaaatt tcaattttt 59

<210> 23

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Primer MM440

<400> 23
gggaaagggg cggccgccat gttacgtcct gtagaaacc 39

<210> 24

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Primer MM441

<400> 24
gggaaagggg ggccctcatt gtttgcctcc ctgctg 36

<210> 25

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Primer MM442

<400> 25
gggaaagggg cggccgcctc attgtttgcc tccctgctg 39

<210> 26

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Cytotoxic T-cell epitope for ovalbumin (11)

<400> 26

Ser Ile Ile Asn Phe Glu Lys Leu

1 5

<210> 27

<211> 70

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> 75ova

<400> 27
ggccaaaaat tgaaaaacta gatctattta ttgcaccatg agtataatca actttgaaaa 60

actgtagtga 70

<210> 28

<211> 71

<212> DNA

<213> Artificial Sequence

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<223> 75ovarv

<400> 28
ggcctcacta cagtttttca aagttgatta atactcatgg tgcaataaat agatctagtt 60

tttcaatttt t 71

<210> 29

<211> 77

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> ELova

<400> 29
ggccaaaaat tgaaatttta ttttttttt ttggaatata aaccatgagt ataatcaact 60

ttgaaaaact gtagtga 77

<210> 30

<211> 77

<212> DNA

<213> Artificial Sequence

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<221> misc_feature

<223> ELovarv

<400> 30
ggcctcacta cagtttttca aagttgatta tactcatggt ttatattcca aaaaaaaaaa 60

ataaaatttc aattttt 77

<210> 31

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Primer V V 0 L Z 5

<400> 31
gcaggtgcgg ccgccgtgga tcccccgggc tgcagg 36

<210> 32

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Primer V V T L Z 3

<400> 32
gtaccgggcc cacaaaaaca aaattagtta gttaggcccc ccctcga 47

<210> 33

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Primer MM407

<400> 33
ggtccctatt gttacagatg gaagggt 27

<210> 34

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Primer MM408

<400> 34
ccttcgtttg ccatacgctc acag 24

<210> 35

<211> 7

<212> PRT

<213> Artificial sequence

<220>

<221> misc_feature

<223> Partial sequence of tk gene at N terminus

<400> 35

Met Gly Pro Ala Ala Asn Gly
1 5

<210> 36

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> L3 specific primer L3.Fl.S

<400> 36
cggcgagatg tctcacagga 20

<210> 37

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> L3 specific primer L3.Fl.AS

<400> 37
accccaccat ctgcacaaag 20

<210> 38

<211> 15

<212> DNA

<213> Artificial Sequence

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<221> misc_feature

<223> BglII-NcoI Sense

<400> 38
gatctcggta accgc 15

<210> 39

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> BglII-NcoI Antisense

<400> 39
catggcggtt accga 15

<210> 40

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Xho-I-XmaIII sense

<400> 40
ggccgaaata accgc 15

<210> 41

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Xho-I-XmaIII antisense

<400> 41
tcgagcggtt atttc 15

<210> 42

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> H3-NcoI sense

<400> 42
agcttcggta accgc 15

<210> 43

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> H3-NcoI antisense

<400> 43
catggcggtt accga 15

<210> 44

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> PstI-XmaIII sense

<400> 44

ggccggaaat aaccgctgca 20

<210> 45

<211> 12

<212> DNA

<213> Artificial Sequence

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<221> misc_feature

<223> PstI-XmaIII antisense

<400> 45
gcggttattt cc 12

<210> 46

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> SalI-NcoI sense

<400> 46
ctgaggaaat aaccgc 16

<210> 47

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> SalI-NcoI antisense

<400> 47
catggcggtt atttcc 16

<210> 48

<211> 21

<212> DNA

<213> Artificial Sequence

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<221> misc_feature

<223> Gus sense

<400> 48
atgttacgtc ctgtagaaac c 21

<210> 49

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Gus antisense

<400> 49
tcattgtttg cctccctgct g 21

<210> 50

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> NX-Gus sense

<400> 50
aaagcggccg ccccgggatg ttacgtcc 28

<210> 51

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> AA-Gus antisense

<400> 51
aaagggcccg gcgcgcctca ttgtttgcc 29

<210> 52

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> D4R Sense

<400> 52
aaaggatcca taatgaattc agtgactgta tcacacg 37

<210> 53

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> D4R antisense

<400> 53
cttgcggccg cttaataaat aaacccttga gccc 34

<210> 54

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> D4R Flank sense

<400> 54
attgagctct taatactttt gtcgggtaac agag 34

<210> 55

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> D4R Flank antisense

<400> 55
ttactcgaga gtgtcgcaat ttggatttt 29

<210> 56

<211> 29

<212> DNA

<213> Artificial Sequence

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<221> misc_feature

<223> 7.5Gus sense

<400> 56
aaagaattcc tttattgtca tcggccaaa 29

<210> 57

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> 7.5Gus antisense

<400> 57
aatctgcagt cattgtttgc ctccctgctg 30

<210> 58

<211> 37

<212> DNA

<213> Artificial Sequence

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<221> misc_feature

<223> Modified D4R sense primer with EcoRI site

<400> 58
aaagaattca taatgaattc agtgactgta tcacacg 37

<210> 59

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> Modified D4R antisense primer with BamHI site

<400> 59
cttggatcct taataaataa acccttgagc cc 32

<210> 60

<211> 29

<212> DNA

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<223> D4R left flank sense

<400> 60
aataagcttt gactccagat acatatgga 29

<210> 61

<211> 25

<212> DNA

<213> Artificial Sequence

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<221> misc_feature

<223> D4R left flank antisense

<400> 61
aatctgcagc accagttcca tcttt 25

<210> 62

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<223> D4R right flank sense

<400> 62
aatggatcct catccagcgg cta 23

<210> 63

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

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<223> D4R right flank antisense

<400> 63
aatgagctct agtacctaca acccgaa 27

<210> 64

<211> 28

<212> DNA

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<223> EL-Gus sense

<400> 64
aaagtcgacg gccaaaaatt gaaatttt 28

<210> 65

<211> 25

<212> DNA

<213> Artificial Sequence

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<221> misc_feature

<223> EL-Gus antisense

<400> 65

aatggatcct cattgtttgc ctccc 25